SUPPLEMENTARY FILE

Rate of Acute Chagas Disease by municipality in the state of Pará between 2013 and 2023 per 10,000 inhabitants

	Sex	Inhabitants	Cases	Tax
Country				
	Total	203.080.756	3571	0.176
Brazil	Male	98.532.431	1931	0.196
	Female	104.548.325	1640	0.157
State				
	Total	8120131	2762	3.40
Pará	Male	4051813	1496	3.69
	Female	4068318	1266	3.11
City				
	Total	158188	353	22.32
Abaetetuba (PA)	Male	79297	175	22.07
	Female	78891	178	22.56
	Total	6136	0	0.00
Abel Figueiredo (PA)	Male	3113	0	0.00
	Female	3023	0	0.00
	Total	59023	61	10.33
Acará (PA)	Male	30551	35	0.00
	Female	28472	26	9.13
	Total	37765	57	15.09
Afuá (PA)	Male	19708	35	17.76

	Female	18057	22	12.18
Água Azul do Norte (PA)	Total	18080	2	1.11
	Male	9696	2	2.06
	Female	8384	0	0.00
Alenquer (PA)	Total	69377	3	0.43
	Male	35689	3	0.84
	Female	33688	0	0.00
Almeirim (PA)	Total	34280	0	0.00
	Male	17647	0	0.00
	Female	16633	0	0.00
Altamira (PA)	Total	126279	3	0.24
	Male	62942	2	0.32
	Female	63337	1	0.16
Anajás (PA)	Total	28011	67	23.92
	Male	14508	35	24.12
	Female	13503	32	23.70
Ananindeua (PA)	Total	478778	64	1.34
	Male	227304	26	1.14
	Female	251474	38	1.51
Anapu (PA)	Total	31850	0	0.00
	Male	16605	0	0.00
	Female	15245	0	0.00
Augusto Corrêa (PA)	Total	44573	4	0.90
	Male	22797	4	1.75
	Female	21776	0	0.00
Aurora do Pará (PA)	Total	23774	8	3.37
	Male	12079	3	2.48
	Female	11695	5	4.28

	Total	18290	0	0.00
Aveiro (PA)	Male	9586	0	0.00
	Female	8704	0	0.00
	Total	31892	109	34.18
Bagre (PA)	Male	16253	59	36.30
	Female	15639	50	31.97
	Total	51641	7	1.36
Baião (PA)	Male	25917	4	1.54
	Female	25724	3	1.17
	Total	4031	0	0.00
Bannach (PA)	Male	2164	0	0.00
	Female	1867	0	0.00
	Total	126650	135	10.66
Barcarena (PA)	Male	63394	65	10.25
	Female	63256	70	11.07
	Total	1303403	282	2.16
Belém (PA)	Male	610777	131	2.14
	Female	692626	151	2.18
	Total	18099	0	0.00
Belterra (PA)	Male	9164	0	0.00
	Female	8935	0	0.00
	Total	63567	10	1.57
Benevides (PA)	Male	31251	5	1.60
	Female	32316	5	1.55
	Total	18005	0	0.00
Bom Jesus do Tocantins (PA)	Male	9969	0	0.00
	Female	8036	0	0.00
Bonito (PA)	Total	12622	0	0.00

	Male	6477	0	0.00
	Female	6145	0	0.00
	Total	123082	17	1.38
Bragança (PA)	Male	61581	12	1.95
	Female	61501	5	0.81
	Total	24718	0	0.00
Brasil Novo (PA)	Male	12635	0	0.00
	Female	12083	0	0.00
	Total	6783	0	0.00
Brejo Grande do Araguaia (PA)	Male	3439	0	0.00
	Female	3344	0	0.00
	Total	45712	1	0.22
Breu Branco (PA)	Male	23100	0	0.00
	Female	22612	1	0.44
	Total	106968	321	30.01
Breves (PA)	Male	55278	186	33.65
	Female	51690	135	26.12
	Total	24383	32	13.12
Bujaru (PA)	Male	12353	16	12.95
	Female	12030	16	13.30
	Total	19630	1	0.51
Cachoeira do Piriá (PA)	Male	10351	0	0.00
	Female	9279	1	1.08
	Total	23981	3	1.25
Cachoeira do Arari (PA)	Male	12126	1	0.82
	Female	11855	2	1.69
	Total	134184	207	15.43
Cametá (PA)	Male	68840	120	17.43

	Female	65344	87	13.31
Canaã dos Carajás (PA)	Total	77079	1	0.13
	Male	39387	0	0.00
	Female	37692	1	0.27
Capanema (PA)	Total	70394	2	0.28
	Male	34350	1	0.29
	Female	36044	1	0.28
Capitão Poço (PA)	Total	56506	2	0.35
	Male	28671	1	0.35
	Female	27835	1	0.36
Castanhal (PA)	Total	192256	15	0.78
	Male	92506	10	1.08
	Female	99750	5	0.50
Chaves (PA)	Total	20757	1	0.48
	Male	11118	1	0.90
	Female	9639	0	0.00
Colares (PA)	Total	12868	2	1.55
	Male	6446	0	0.00
	Female	6422	2	3.11
Conceição do Araguaia (PA)	Total	44617	0	0.00
	Male	22490	0	0.00
	Female	22127	0	0.00
Concórdia do Pará (PA)	Total	26881	1	0.37
	Male	13550	0	0.00
	Female	13331	1	0.75
Cumaru do Norte (PA)	Total	14036	0	0.00
	Male	7706	0	0.00
	Female	6330	0	0.00

Curionópolis (PA)	Total	19950	0	0.00
	Male	10196	0	0.00
	Female	9754	0	0.00
Curralinho (PA)	Total	33903	132	38.93
	Male	17863	69	38.63
	Female	16040	63	39.28
Curuá (PA)	Total	14117	2	1.42
	Male	7338	1	1.36
	Female	6779	1	1.48
Curuçá (PA)	Total	41262	3	0.73
	Male	20745	3	1.45
	Female	20517	0	0.00
Dom Eliseu (PA)	Total	58484	0	0.00
	Male	28907	0	0.00
	Female	29577	0	0.00
Eldorado do Carajás (PA)	Total	28192	0	0.00
	Male	14443	0	0.00
	Female	13749	0	0.00
Faro (PA)	Total	8728	0	0.00
	Male	4483	0	0.00
	Female	4245	0	0.00
Floresta do Araguaia (PA)	Total	17898	0	0.00
	Male	9498	0	0.00
	Female	8400	0	0.00
Garrafão do Norte (PA)	Total	24703	2	0.81
	Male	12694	2	1.58
	Female	12009	0	0.00
Goianésia do Pará	Total	26362	0	0.00

(PA)	Male	13525	0	0.00
	Female	12837	0	0.00
	Total	31786	9	2.83
Gurupá (PA)	Male	16707	7	4.19
	Female	15079	2	1.33
	Total	35797	1	0.28
Igarapé-Açu (PA)	Male	17767	0	0.00
	Female	18030	1	0.55
	Total	64831	94	14.50
Igarapé-Miri (PA)	Male	33274	55	16.53
	Female	31557	39	12.36
	Total	10325	1	0.97
Inhangapi (PA)	Male	5229	0	0.00
	Female	5096	1	1.96
	Total	30329	3	0.99
Ipixuna do Pará (PA)	Male	15637	3	1.92
	Female	14692	0	0.00
	Total	30955	7	2.26
Irituia (PA)	Male	15911	2	1.26
	Female	15044	5	3.32
	Total	123314	0	0.00
Itaituba (PA)	Male	62288	0	0.00
	Female	61026	0	0.00
	Total	49754	0	0.00
Itupiranga (PA)	Male	26048	0	0.00
	Female	23706	0	0.00
	Total	24042	1	0.42
Jacareacanga (PA)	Male	12560	1	0.80

	Female	11482	0	0.00
	Total	37707	0	0.00
Jacundá (PA)	Male	18504	0	0.00
	Female	19203	0	0.00
	Total	50881	4	0.79
Juruti (PA)	Male	26154	4	1.53
	Female	24727	0	0.00
	Total	29569	110	37.20
Limoeiro do Ajuru (PA)	Male	15291	66	43.16
	Female	14278	44	30.82
	Total	34353	0	0.00
Mãe do Rio (PA)	Male	16887	0	0.00
	Female	17466	0	0.00
	Total	8115	1	1.23
Magalhães Barata (PA)	Male	4151	1	2.41
	Female	3964	0	0.00
	Total	266533	2	0.08
Marabá (PA)	Male	132772	0	0.00
	Female	133761	2	0.15
	Total	25971	1	0.39
Maracanã (PA)	Male	13292	1	0.75
	Female	12679	0	0.00
	Total	26573	0	0.00
Marapanim (PA)	Male	13647	0	0.00
	Female	12926	0	0.00
	Total	111785	12	1.07
Marituba (PA)	Male	54692	5	0.91
	Female	57093	7	1.23

Medicilândia (PA)	Total	27094	0	0.00
	Male	14325	0	0.00
	Female	12769	0	0.00
Melgaço (PA)	Total	27881	56	20.09
	Male	14568	30	20.59
	Female	13313	6	4.51
Mocajuba (PA)	Total	27198	13	4.78
	Male	13800	4	2.90
	Female	13398	9	6.72
Moju (PA)	Total	84094	41	4.88
	Male	43881	23	5.24
	Female	40213	18	4.48
Mojuí dos Campos (PA)	Total	23501	2	0.85
	Male	12231	2	1.64
	Female	11270	0	0.00
Monte Alegre (PA)	Total	60012	5	0.83
	Male	30351	3	0.99
	Female	29661	2	0.67
Muaná (PA)	Total	45368	113	24.91
	Male	22997	64	27.83
	Female	22371	49	21.90
Nova Esperança do Piriá (PA)	Total	20478	0	0.00
	Male	10516	0	0.00
	Female	9962	0	0.00
Nova Ipixuna (PA)	Total	13955	0	0.00
	Male	7294	0	0.00
	Female	6661	0	0.00
Nova Timboteua (PA)	Total	12806	0	0.00

	Male	6503	0	0.00
	Female	6303	0	0.00
	Total	33638	0	0.00
Novo Progresso (PA)	Male	17487	0	0.00
	Female	16151	0	0.00
	Total	60732	4	0.66
Novo Repartimento (PA)	Male	31309	2	0.64
	Female	29423	2	0.68
	Total	52229	0	0.00
Óbidos (PA)	Male	26744	0	0.00
	Female	25485	0	0.00
	Total	33844	92	27.18
Oeiras do Pará (PA)	Male	17643	51	28.91
	Female	16201	41	25.31
	Total	68294	1	0.15
Oriximiná (PA)	Male	34456	1	0.29
	Female	33838	0	0.00
	Total	17855	1	0.56
Ourém (PA)	Male	9047	0	0.00
	Female	8808	1	1.14
	Total	32467	0	0.00
Ourilândia do Norte (PA)	Male	16542	0	0.00
	Female	15925	0	0.00
	Total	41097	1	0.24
Pacajá (PA)	Male	21632	1	0.46
	Female	19465	0	0.00
Palestina do Pará (PA)	Total	6885	0	0.00
	Male	3538	0	0.00

	Female	3347	0	0.00
	Total	105550	5	0.47
Paragominas (PA)	Male	52461	2	0.38
	Female	53089	3	0.57
	Total	267836	1	0.04
Parauapebas (PA)	Male	133922	0	0.00
	Female	133914	1	0.07
	Total	6931	0	0.00
Pau D'Arco (PA)	Male	3555	0	0.00
	Female	3376	0	0.00
	Total	8285	0	0.00
Peixe-Boi (PA)	Male	4202	0	0.00
	Female	4083	0	0.00
	Total	12832	0	0.00
Piçarra (PA)	Male	6734	0	0.00
	Female	6098	0	0.00
	Total	18668	1	0.54
Placas (PA)	Male	9855	1	1.01
	Female	8813	0	0.00
	Total	24984	22	8.81
Ponta de Pedras (PA)	Male	12842	10	7.79
	Female	12142	12	9.88
	Total	62503	12	1.92
Portel (PA)	Male	32627	9	2.76
	Female	29876	3	1.00
	Total	40597	2	0.49
Porto de Moz (PA)	Male	21118	1	0.47
	Female	19479	1	0.51

	Total	35577	3	0.84
Prainha (PA)	Male	18467	3	1.62
	Female	17110	0	0.00
	Total	10851	0	0.00
Primavera (PA)	Male	5482	0	0.00
	Female	5369	0	0.00
	Total	11524	1	0.87
Quatipuru (PA)	Male	5848	1	1.71
	Female	5676	0	0.00
	Total	85597	0	0.00
Redenção (PA)	Male	42226	0	0.00
	Female	43371	0	0.00
	Total	18384	0	0.00
Rio Maria (PA)	Male	9321	0	0.00
	Female	9063	0	0.00
	Total	53143	0	0.00
Rondon do Pará (PA)	Male	27356	0	0.00
	Female	25787	0	0.00
	Total	35769	0	0.00
Rurópolis (PA)	Male	18371	0	0.00
	Female	17398	0	0.00
	Total	44772	2	0.45
Salinópolis (PA)	Male	22583	1	0.44
	Female	22189	1	0.45
	Total	24129	3	1.24
Salvaterra (PA)	Male	12051	3	2.49
	Female	12078	0	0.00
Santa Bárbara do	Total	21087	4	1.90

Pará (PA)	Male	10485	2	1.91
	Female	10602	2	1.89
Santa Cruz do Arari (PA)	Total	7445	0	0.00
	Male	3888	0	0.00
	Female	3557	0	0.00
Santa Izabel do Pará (PA)	Total	73019	2	0.27
	Male	39642	1	0.25
	Female	33377	1	0.30
Santa Luzia do Pará (PA)	Total	20370	1	0.49
	Male	10240	0	0.00
	Female	10130	1	0.99
Santa Maria das Barreiras (PA)	Total	16548	0	0.00
	Male	8770	0	0.00
	Female	7778	0	0.00
Santa Maria do Pará (PA)	Total	24624	0	0.00
	Male	12147	0	0.00
	Female	12477	0	0.00
Santana do Araguaia (PA)	Total	32413	0	0.00
	Male	16673	0	0.00
	Female	15740	0	0.00
Santarém (PA)	Total	331942	29	0.87
	Male	163080	16	0.98
	Female	168862	13	0.77
Santarém Novo (PA)	Total	6116	1	1.64
	Male	3205	0	0.00
	Female	2911	1	3.44
Santo Antônio do Tauá (PA)	Total	27461	1	0.36
	Male	13760	0	0.00

	Female	13701	1	0.73
São Caetano de Odivelas (PA)	Total	16666	2	1.20
	Male	8473	1	1.18
	Female	8193	1	1.22
São Domingos do Araguaia (PA)	Total	21092	0	0.00
	Male	10716	0	0.00
	Female	10376	0	0.00
São Domingos do Capim (PA)	Total	30599	48	15.69
	Male	16015	31	19.36
	Female	14584	17	11.66
São Félix do Xingu (PA)	Total	65418	0	0.00
	Male	34830	0	0.00
	Female	30588	0	0.00
São Francisco do Pará (PA)	Total	14894	0	0.00
	Male	7546	0	0.00
	Female	7348	0	0.00
São Geraldo do Araguaia (PA)	Total	24255	0	0.00
	Male	12242	0	0.00
	Female	12013	0	0.00
São João da Ponta (PA)	Total	4430	0	0.00
	Male	2287	0	0.00
	Female	2143	0	0.00
São João de Pirabas (PA)	Total	20689	0	0.00
	Male	10658	0	0.00
	Female	10031	0	0.00
São João do Araguaia (PA)	Total	13664	0	0.00
	Male	7290	0	0.00
	Female	6374	0	0.00

São Miguel do Guamá (PA)	Total	52894	10	1.89
	Male	26181	6	2.29
	Female	26713	4	1.50
São Sebastião da Boa Vista (PA)	Total	25643	100	39.00
	Male	13329	58	43.51
	Female	12314	42	34.11
Sapucaia (PA)	Total	5847	0	0.00
	Male	2968	0	0.00
	Female	2879	0	0.00
Senador José Porfírio (PA)	Total	22576	0	0.00
	Male	12195	0	0.00
	Female	10381	0	0.00
Soure (PA)	Total	24204	2	0.83
	Male	11940	0	0.00
	Female	12264	2	1.63
Tailândia (PA)	Total	72493	1	0.14
	Male	36570	1	0.27
	Female	35923	0	0.00
Terra Alta (PA)	Total	10400	0	0.00
	Male	5297	0	0.00
	Female	5103	0	0.00
Terra Santa (PA)	Total	18782	0	0.00
	Male	9519	0	0.00
	Female	9263	0	0.00
Tomé-Açu (PA)	Total	67585	5	0.74
	Male	34412	4	1.16
	Female	33173	1	0.30
Tracuateua (PA)	Total	28595	2	0.70

	Male	14704	1	0.68
	Female	13891	1	0.72
	Total	15242	0	0.00
Trairão (PA)	Male	8020	0	0.00
	Female	7222	0	0.00
	Total	39550	0	0.00
Tucumã (PA)	Male	19757	0	0.00
	Female	19793	0	0.00
	Total	91306	12	1.31
Tucuruí (PA)	Male	45171	7	1.55
	Female	46135	5	1.08
	Total	37972	1	0.26
Ulianópolis (PA)	Male	19000	1	0.53
	Female	18972	0	0.00
	Total	43558	1	0.23
Uruará (PA)	Male	22812	1	0.44
	Female	20746	0	0.00
	Total	50832	1	0.20
Vigia (PA)	Male	25695	1	0.39
	Female	25137	0	0.00
	Total	58692	1	0.17
Viseu (PA)	Male	30472	1	0.33
	Female	28220	0	0.00
	Total	15607	1	0.64
Vitória do Xingu (PA)	Male	8031	1	1.25
	Female	7576	0	0.00
	Total	52893	0	0.00
Xinguara (PA)	Male	26590	0	0.00

Female	26303	0	0.00